

+-----

| SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BRONZE SPRAY PAINT 9805372

IDENTIFICATION NUMBER: 7712 830 DATE PRINTED : 07/03/00

PRODUCT USE/CLASS : BRIGHT COAT METALLIC COLOR

SUPPLIER: MANUFACTURER:

Rust-Oleum Corporation
Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois
Vernon Hills, Illinois

60061 USA 60061 USA

(847) 367-7700Rust-Oleum Corp.(847) 367-7700Rust-Oleum Corp.8:00 AM-4:30 PM/24-hr Emer.Assist8:00 AM-4:30 PM/24-hr Emer.Assist

PREPARER: L.J.W., PHONE: 847-816-2445, PREPARE DATE: 06/28/00

ITEM	CHEMICAL NAME	CAS NUMBER	LESS THAN
01	TOLUENE	108-88-3	45.0 %
02	LIQUIFIED PETROLEUM GAS	68476-85-7	35.0 %
03	METHYL ETHYL KETONE	78-93-3	10.0 %
04	XYLENE	1330-20-7	5.0 %
05	ALUMINUM FLAKE	7429-90-5	5.0 %

			EXPOSURE	LIMITS		
	ACG:	ΙΗ		OSHA		MEXICAN
ITEM	TLV-TWA	TLV-STEL	PEL-TV	VΑ	PEL-CEILING	TLV-TWA

01	50 PPM	N.E.	200 PPM	300 PPM	N.E.	YES			
02	1000 PPM	N.E.	1000 PPM	N.E.	N.E.	NO			
03	200 PPM	300 PPM	200 PPM	N.E.	200 PPM	NO			
04	100PPM	150PPM	100PPM	N.E.	100 PPM	YES			
05	10 MG/M^3	N.E.	15 MG/M^3	N.E.	N.E.	NO			

SKIN

(See Section 16 for abbreviation legend)

(Continued on Page 2)

*** EMERGENCY OVERVIEW ***: Harmful if inhaled. Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. May effect the brain or nervous system causing

dizziness, headache or nausea. Contents Under Pressure.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects

in humans have included liver and cardiac abnormalities. Overexposure to methyl ethyl ketone in laboratory animals has been associated with liver abnormalities, kidney and lung damage. Fetotoxic/embryotoxic effects from inhalation have been seen in rats exposed to >1000ppm during gestation.

PRIMARY ROUTE(S) OF ENTRY: SKIN ABSORPTION INHALATION EYE CONTACT

+						H
SECTION	4	_	FIRST	AID	MEASURES	
+						+

FIRST AID - EYE CONTACT: Hold eyelids apart and flush with plenty of water for at lease 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

(Continued on Page 3)

Product: 7712 830 Preparatio	n Date: 06/28/00	Page 3
SECTION 4 - FIRST		
FIRST AID - INGESTION: Aspiration hazar anything by mouth because this material severe lung damage. Get immediate medic	can enter the lungs an al attention.	d cause
SECTION 5 - FIRE FIG	HTING MEASURES	
FLASH POINT: -99 F	LOWER EXPLOSIVE LI UPPER EXPLOSIVE LI	MIT: 0.9 %
AUTOIGNITION TEMPERATURE: ND		
EXTINGUISHING MEDIA: DRY CHEMICAL FOAM	WATER FOG	
UNUSUAL FIRE AND EXPLOSION HAZARDS: FLA EXTREMELY FLAMMABLE LIQUID AND VAPOR! W Closed containers may explode when expos of steam. Closed containers may explode Vapors may form explosive mixtures with of ignition and flash back. Keep containent, electrical equipment, sparks and opressurized container may cause bursting explode when exposed to extreme heat. SPECIAL FIREFIGHTING PROCEDURES: Evacua distance.	Tater spray may be inefted to extreme heat due when exposed to extreair. Vapors can traveners tightly closed. Spen flame. Perforation of the can. Closed c	fective. to buildup me heat. l to a source Isolate from n of the ontainers may
SECTION 6 - ACCIDENTAL		
STEPS TO BE TAKEN IN CASE MATERIAL IS RE area, remove all sources of ignition and liquid with sand or earth. DO NOT use c sawdust. Remove all sources of ignition inert absorbent and non-sparking tools. state (provincial) and federal regulatio containers.	LEASED OR SPILLED: Eventilate well. Contombustible materials so, ventilate area and representations. Do not incinerate	ain spilled uch as emove with to local, closed
+ SECTION 7 - HANDLIN	G AND STORAGE	
HANDLING: Wash thoroughly after handlin only in a well-ventilated area. Follow	g. Wash hands before all MSDS/label precaut	eating. Use ions even

after container is emptied because it may retain product residues. Avoid breathing vapor or mist.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 degrees F. Store large quantities in buildings designed and protected for storage of NFPA

(Continued on Page 4)

1	Product:	7712	830	Preparation Date: 06/28/00 Page 4	_ 1				
+				7 - HANDLING AND STORAGE	 -+				
	Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 degrees F.								
+	 S	ECTION	 8 - EXPO	SURE CONTROLS/PERSONAL PROTECTION	-+ -+				

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace

conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

+----+ | SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -34 - 392 F VAPOR DENSITY : Is heavier than air ODOR : SOLVENT ODOR THRESHOLD : ND APPEARANCE : LIQUID EVAPORATION RATE: Is faster than Ether

ODOR : SOLVENT APPEARANCE : LIQUID

SOLUBILITY IN H2O : SLIGHT

FREEZE POINT : ND VAPOR PRESSURE : ND SPECIFIC GRAVITY: 0.9261 VAPOR PRESSURE : ND pH @ 0.0 % : ND PHYSICAL STATE : LIQUID VISCOSITY : ND

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

(Continued on Page 5)

Product:					Date: 06/28/		
					HEMICAL PROPE		
(See Section	ı 16 for	abbrevi	ation lege	nd)			
	SE	CTION 10	- STABILI	TY Z	AND REACTIVIT	Y	
	AVOID:	Avoid	temperatur		above 120 deg:		
INCOMPATIBILI and strong al		compatib	le with st	ron	g oxidizing a	gents, str	ong acids
	de. Whe				n flame, carbo tion it emits		
HAZARDOUS POI	YMERIZA	TION: Wi	ll not occ	ur '	under normal (conditions	
STABILITY: Th	nis prod	uct is s	table unde	r n	ormal storage	condition	ıs.
	SE	CTION 11	- TOXICOL	OGI	CAL PROPERTIE:	S	
COMPONENT TOX	KICOLOGI	CAL INFO	RMATION:				
TOLUENE LIQUIFIED PET METHYL ETHYL XYLENE ALUMINUM FLAF	ROLEUM KETONE			RAT N.E	LD50 5000MG/KG 2737MG/KG 4300MG/KG >5000MG/KG	MOUSE 5	320PPM 8HR
+	 S	ECTION 1		ICA:	L INFORMATION		
ECOLOGICAL IN According to	NFORMATIOUR raw	ON: Pro materia quired o	duct is a : l supplier or meet the	mix s, a	ture of listed all component: lymer exemption	s are list	ed on the
	S	ECTION 1	3 - DISPOS	AL (CONSIDERATION:	S	
DISPOSAL METH	HOD: Di	spose of	material	in a	accordance to	local, st	ate and
federal regul sewer systems		and ordi	nances. D	o n	ot allow to en	nter storm	drains or

(Continued on Page 6)

Product:	7712 830	Preparation Date: (06/28/00	Page 6
i I		- TRANSPORTATION INFO		·
DOT PROPER SH	IPPING NAME: AE	ROSOL		
DOT TECHNICAL	NAME:			
DOT HAZARD CLA	ASS: 2.1	HAZARI	D SUBCLASS: .1	
DOT UN/NA NUMI	BER: UN1950	PACKING GROUP:	RESP. GUII	DE PAGE: 126
	SECTION 1	5 - REGULATORY INFORM	MATION	
U.S. FEDERAL !	REGULATIONS: AS	FOLLOWS -		
OSHA: Hazardo 1910.1200)	us by definitio	n of Hazard Communica	ation Standard	(29 CFR
Reauthorization applicable des IMMEDIATE HEAS HAZARD SARA SECTION S This product of requirements of the second s	on Act of 1986 finitions, to m LTH HAZARD CHR 313: contains the fo of Section 313	11 and 312 of the Sup (SARA Title III) and eet the following cat ONIC HEALTH HAZARD I llowing substances support the III of the State of Title III o	is considered, tegories: FIRE HAZARD REA	under ACTION eporting
	HEMICAL NAME KETONE	and 40 CFR Part 372: CAS NUMB 108-88-3 78-93-3 1330-20- 7429-90-	3 -7	S LESS THAN 45.0 % 10.0 % 5.0 % 5.0 %
U.S. STATE REG	GULATIONS: AS F	OLLOWS -		
_		non-hazardous, but a	re among the top	o five
CI ACRYLIC RESIN		CAS NUMI NOT AVA		
		ingredients are prese	ent in the produ	uct at
CI ACRYLIC RESIN		CAS NUMI NOT AVA		

(Continued on Page 7)

Product:			Preparatio		06/28/00	Page 7
1	S	ECTION 15	5 - REGULATO	RY TNFORI		i
C						
	chemica state o	l(s) note			ed in this product , birth defects or	
C TOLUENE	HEMICAL	NAME		CAS NUMI 108-88-3		
INTERNATIONAL	REGULA	TIONS: AS	S FOLLOWS -			
CANADIAN WHMI Product Regul					ompliance with Con dings.	trolled
CANADIAN WHMI						
		SECTION	N 16 - OTHER	INFORMA'		
					REACTIVITY: 0	'
PREVIOUS MSDS	REVISI	ON DATE:	05/11/00			
LEGEND: N.A.		Applicabl Determine		ot Estab	lished,	
: No Informa	tion.					

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.
